



STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/552,660A
Source: IFW
Date Processed by STIC: 9/3/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/552,660A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
- 11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/552,660A

DATE: 07/03/2006
TIME: 11:25:30

Input Set : A:\2577-158b.8T25
Output Set: W:\CRF4\07032006\J552660A.raw

3 <110> APPLICANT: Temasek Life Sciences Laboratory
5 <120> TITLE OF INVENTION: DETECTION OF TRANSGENES OF GENETICALLY MODIFIED ORGANISMS

SING

6 PYRO LUMINESCENCE

8 <130> FILE REFERENCE: 2577-158

10 <140> CURRENT APPLICATION NUMBER: US/10/552,660A

10 <141> CURRENT FILING DATE: 2005-10-11

10 <160> NUMBER OF SEQ ID NOS: 29

12 <170> SOFTWARE: PatentIn version 3.3

14 <210> SEQ ID NO: 1

15 <211> LENGTH: 25

16 <212> TYPE: DNA

17 <213> ORGANISM: Primer

19 <400> SEQUENCE: 1

20 agtataccttc gcaagaccct tcttc

23 <210> SEQ ID NO: 2

24 <211> LENGTH: 25

25 <212> TYPE: DNA

26 <213> ORGANISM: Primer

28 <400> SEQUENCE: 2

29 gcattcagag aaacgtggca gtaac

33 <210> SEQ ID NO: 3

34 <211> LENGTH: 25

35 <212> TYPE: DNA

36 <213> ORGANISM: Primer

38 <400> SEQUENCE: 3

39 attgatgtga tatctccact gacgt

43 <210> SEQ ID NO: 4

44 <211> LENGTH: 25

45 <212> TYPE: DNA

46 <213> ORGANISM: Primer

48 <400> SEQUENCE: 4

49 cctctccaaa tgaaatgaac ttcct

52 <210> SEQ ID NO: 5

53 <211> LENGTH: 21

54 <212> TYPE: DNA

55 <213> ORGANISM: Primer

57 <400> SEQUENCE: 5

58 ccacgtcttc aaagcaagt g

61 <210> SEQ ID NO: 6

62 <211> LENGTH: 25

63 <212> TYPE: DNA

64 <213> ORGANISM: Primer

66 <400> SEQUENCE: 6

pp 1-4
Does Not Comply
Corrected Diskette Needed

(global error)
invalid response - see item 10
on Error Summary Sheet

25

25

25

25

21

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/552,660A

DATE: 07/03/2006

TIME: 11:25:30

Input Set : A:\2577-158b.8T25

Output Set: H:\CRF4\07032006\J552660A.raw

67	tcctctccaa atgaaatgaa ctccc	25
70	<210> SEQ ID NO: 7	
71	<211> LENGTH: 25	
72	<212> TYPE: DNA	
73	<213> ORGANISM: <u>Primer</u>	
75	<400> SEQUENCE: 7	
76	attgatgtga tatctccact gacgt	25
79	<210> SEQ ID NO: 6	
80	<211> LENGTH: 20	
81	<212> TYPE: DNA	
82	<213> ORGANISM: <u>Primer</u>	
84	<400> SEQUENCE: 8	
85	ttatcctagt ttgcgcgcta	20
88	<210> SEQ ID NO: 9	
89	<211> LENGTH: 25	
90	<212> TYPE: DNA	
91	<213> ORGANISM: <u>Primer</u>	
93	<400> SEQUENCE: 9	
94	tatctccact gacgtaaggg.atgac	25
97	<210> SEQ ID NO: 10	
98	<211> LENGTH: 25	
99	<212> TYPE: DNA	
100	<213> ORGANISM: <u>Primer</u>	
102	<400> SEQUENCE: 10	
103	tgcctataa caccaacatg tgctt	25
106	<210> SEQ ID NO: 11	
107	<211> LENGTH: 25	
108	<212> TYPE: DNA	
109	<213> ORGANISM: <u>Primer</u>	
111	<400> SEQUENCE: 11	
112	cggatgggtcc ttatgcaatt ttgtc	25
115	<210> SEQ ID NO: 12	
116	<211> LENGTH: 22	
117	<212> TYPE: DNA	
118	<213> ORGANISM: <u>Primer</u>	
120	<400> SEQUENCE: 12	
121	ctctcggcgt agattggta ca	22
124	<210> SEQ ID NO: 13	
125	<211> LENGTH: 25	
126	<212> TYPE: DNA	
127	<213> ORGANISM: <u>Primer</u>	
129	<400> SEQUENCE: 13	
130	agattcttca ctccgatgca gccta	25
133	<210> SEQ ID NO: 14	
134	<211> LENGTH: 22	
135	<212> TYPE: DNA	
136	<213> ORGANISM: <u>Primer</u>	
138	<400> SEQUENCE: 14	
139	tggacaacaa cccaacatc aa	22

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/552,660A

DATE: 07/03/2006

TIME: 11:25:30

Input Set : A:\2577-158b.ST25

Output Set: H:\CRF4\07032006\J552660A.raw

```

142 <210> SEQ ID NO: 15
143 <211> LENGTH: 26
144 <212> TYPE: DNA
145 <213> ORGANISM: Primer
147 <400> SEQUENCE: 15
148 tggattttgg ttttaggaat tagaaa                26
151 <210> SEQ ID NO: 16
152 <211> LENGTH: 22
153 <212> TYPE: DNA
154 <213> ORGANISM: Primer
156 <400> SEQUENCE: 16
157 ggacaacaac cacaacatca ac                    22
160 <210> SEQ ID NO: 17
161 <211> LENGTH: 19
162 <212> TYPE: DNA
163 <213> ORGANISM: Primer
165 <400> SEQUENCE: 17
166 cgatgggggt gtaaccgt                        19
169 <210> SEQ ID NO: 18
170 <211> LENGTH: 19
171 <212> TYPE: DNA
172 <213> ORGANISM: Primer
174 <400> SEQUENCE: 18
175 gcacgaactc gctaagcag                      19
178 <210> SEQ ID NO: 19
179 <211> LENGTH: 18
180 <212> TYPE: DNA
181 <213> ORGANISM: Primer
183 <400> SEQUENCE: 19
184 cggcccgag ttcacctt                        18
187 <210> SEQ ID NO: 20
188 <211> LENGTH: 23
189 <212> TYPE: DNA
190 <213> ORGANISM: Primer
192 <400> SEQUENCE: 20
193 ctgctgggga tgatgttgtt cmg                 23
196 <210> SEQ ID NO: 21
197 <211> LENGTH: 25
198 <212> TYPE: DNA
199 <213> ORGANISM: Primer
201 <400> SEQUENCE: 21
202 cactacaaat gccatcattg cgata                25
205 <210> SEQ ID NO: 22
206 <211> LENGTH: 25
207 <212> TYPE: DNA
208 <213> ORGANISM: Primer
210 <400> SEQUENCE: 22
211 agatcatcaa tccactcttg tgggtg             25
214 <210> SEQ ID NO: 23

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/552,660A

DATE: 07/03/2006

TIME: 11:25:30

Input Set : A:\2577-158b.S125

Output Set: N:\CRF4\07032006\J552660A.raw

```

215 <211> LENGTH: 18
216 <212> TYPE: DNA
217 <213> ORGANISM: Primer
219 <400> SEQUENCE: 23
220 gatagecgtc ccgcagac 18
223 <210> SEQ ID NO: 24
224 <211> LENGTH: 19
225 <212> TYPE: DNA
226 <213> ORGANISM: Primer
228 <400> SEQUENCE: 24
229 gcactgaatt tgtgaaccc 19
232 <210> SEQ ID NO: 25
233 <211> LENGTH: 21
234 <212> TYPE: DNA
235 <213> ORGANISM: Primer
237 <400> SEQUENCE: 25
238 ctatatatttg tttctatcg c 21
241 <210> SEQ ID NO: 26
242 <211> LENGTH: 23
243 <212> TYPE: DNA
244 <213> ORGANISM: Primer
246 <400> SEQUENCE: 26
247 catcgtcaac cactacatcg aga 23
250 <210> SEQ ID NO: 27
251 <211> LENGTH: 18
252 <212> TYPE: DNA
253 <213> ORGANISM: Primer
255 <400> SEQUENCE: 27
256 gatagecgtc ccgcagac 18
259 <210> SEQ ID NO: 28
260 <211> LENGTH: 20
261 <212> TYPE: DNA
262 <213> ORGANISM: Primer
264 <400> SEQUENCE: 28
265 actgggctcc acgctctaca 20
268 <210> SEQ ID NO: 29
269 <211> LENGTH: 21
270 <212> TYPE: DNA
271 <213> ORGANISM: Primer
273 <400> SEQUENCE: 29
274 aaaccacgt catgccagtt c 21

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/552,660A

DATE: 07/03/2006

TIME: 11:25:31

Input Set : A:\2577-158b.ST25

Output Set: H:\CRF4\07032006\J552660A.raw

..:10 M:270 C: Current Application Number differs, Replaced Current Application No
..:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date



This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record.

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☒ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☒ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.